

FIG. 1

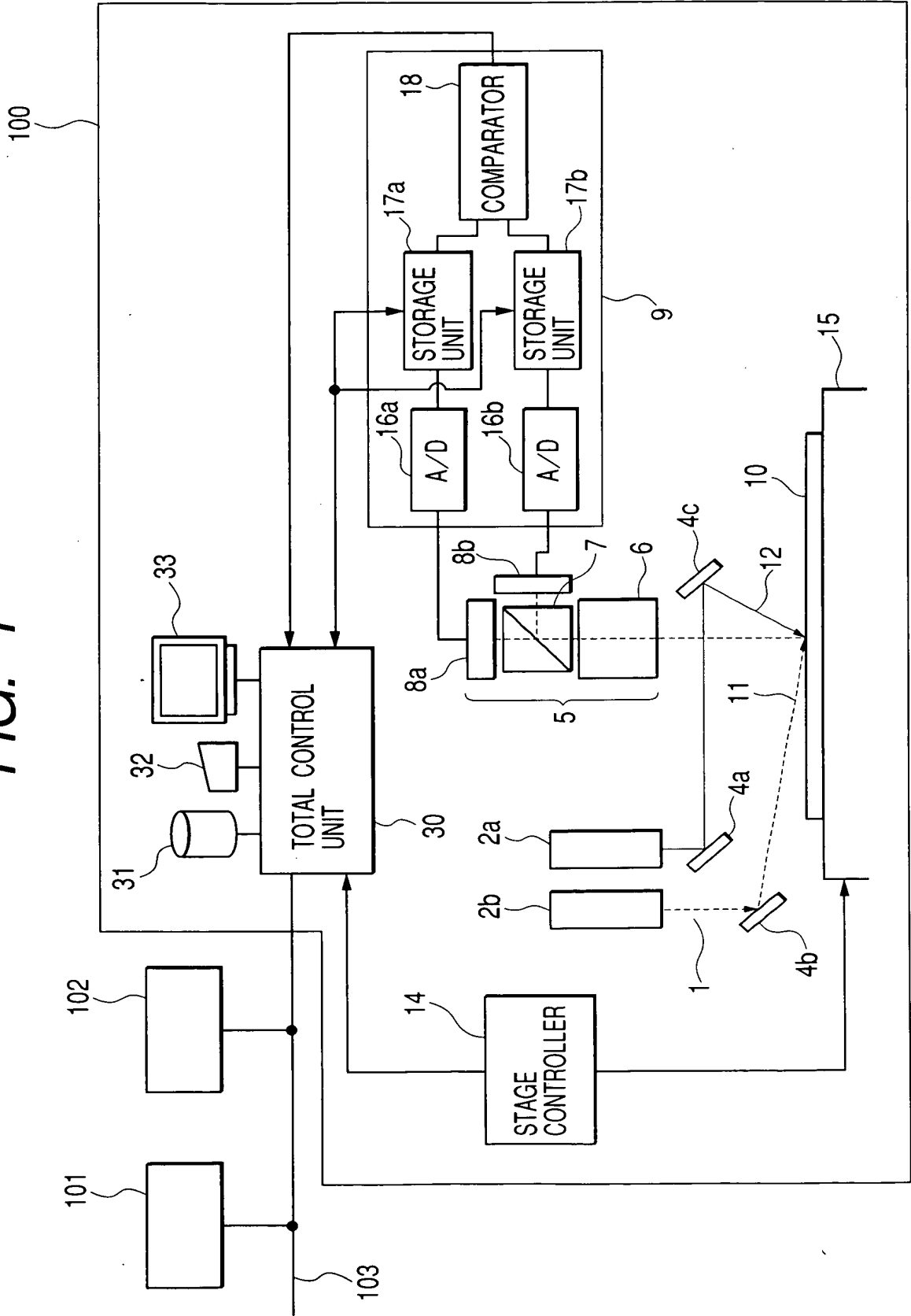


FIG. 2(a)

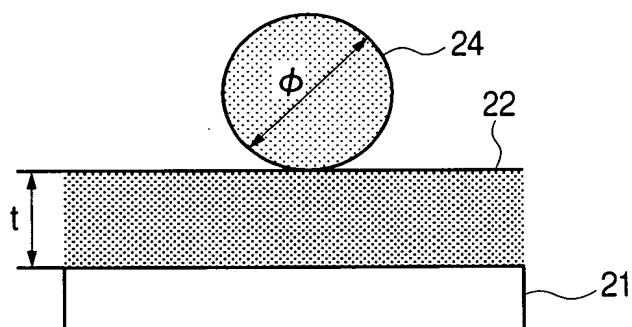


FIG. 2(b)

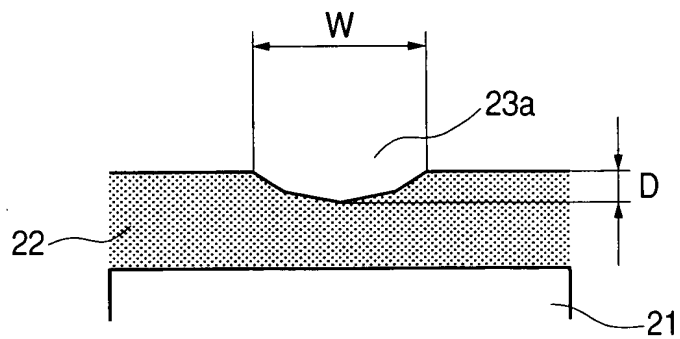


FIG. 3(a)

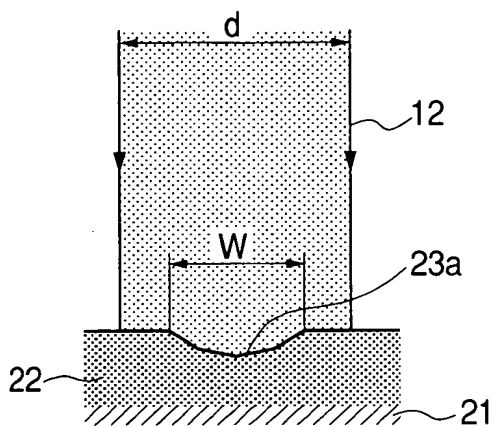


FIG. 3(b)

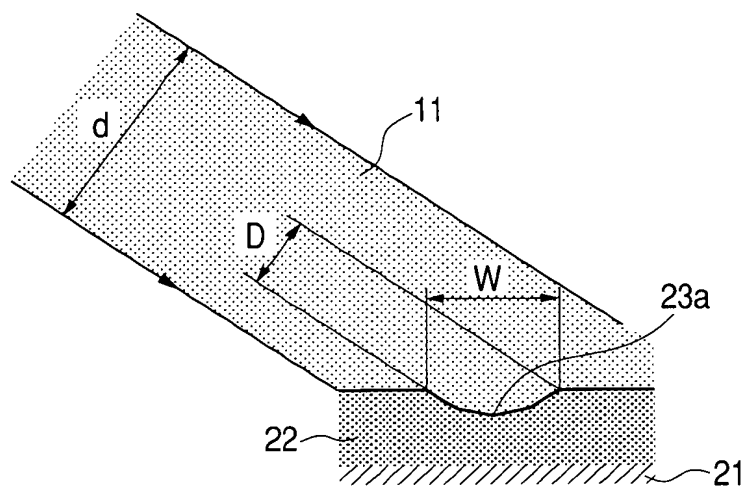


FIG. 3(c)

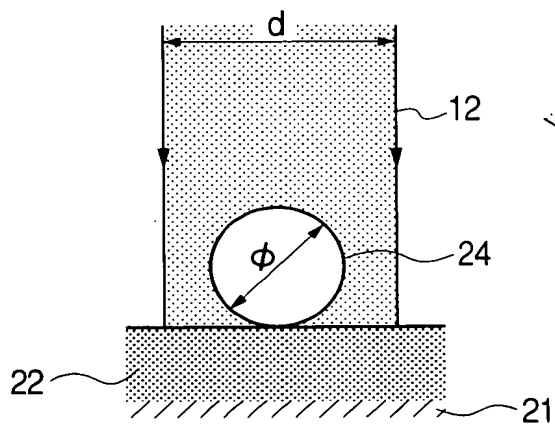


FIG. 3(d)

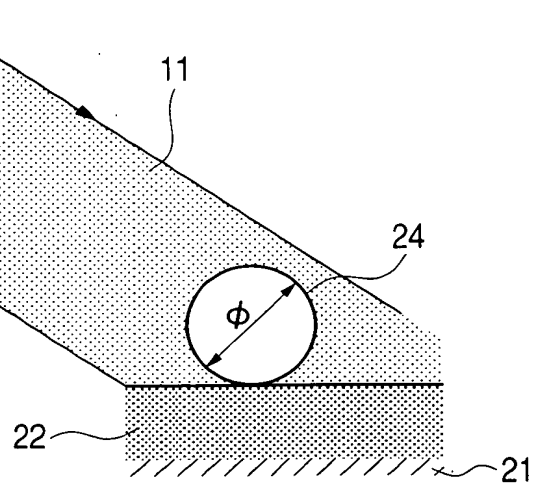


FIG. 4

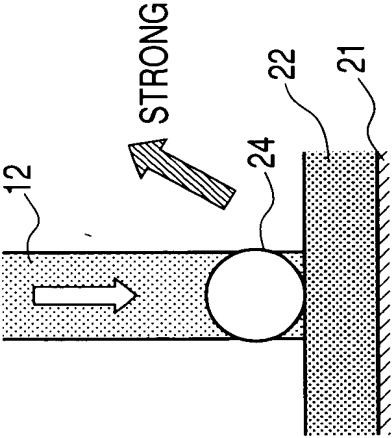
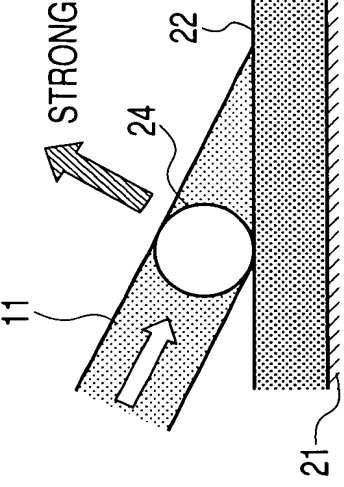
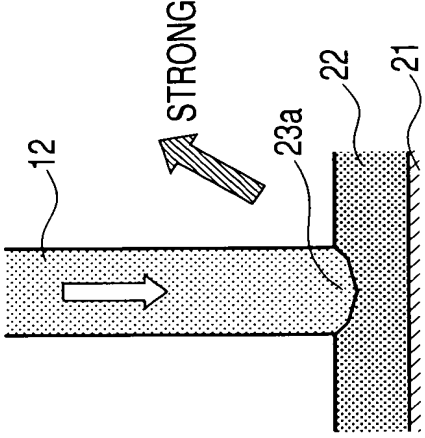
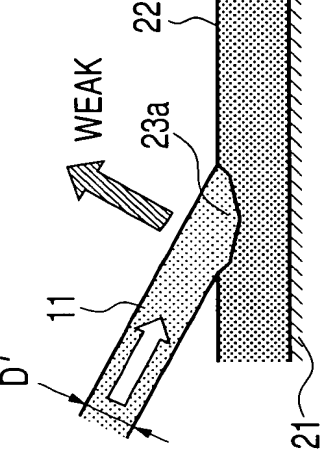
	INCIDENT ILLUMINATION	SLANTING ILLUMINATION
FOREIGN MATERIAL	 <p>A vertical rectangular block labeled 12 is positioned above a circular feature labeled 24. The circular feature sits on a horizontal surface labeled 21. An arrow labeled 12 points downwards towards the circular feature. A hatched arrow labeled 'STRONG' points upwards and to the right, indicating the direction of incident illumination.</p>	 <p>A circular feature labeled 24 is shown on a horizontal surface labeled 21. An arrow labeled 11 points downwards and to the left towards the circular feature. A hatched arrow labeled 'STRONG' points upwards and to the right, indicating the direction of slanting illumination.</p>
SCRATCH	 <p>A vertical rectangular block labeled 12 is positioned above a scratch-like feature labeled 23a. The scratch sits on a horizontal surface labeled 21. An arrow labeled 12 points downwards towards the scratch. A hatched arrow labeled 'STRONG' points upwards and to the right, indicating the direction of incident illumination.</p>	 <p>A scratch-like feature labeled 23a is shown on a horizontal surface labeled 21. An arrow labeled 11 points downwards and to the left towards the scratch. A hatched arrow labeled 'WEAK' points upwards and to the right, indicating the direction of slanting illumination. A dashed line labeled D' is also shown near the scratch.</p>

FIG. 5

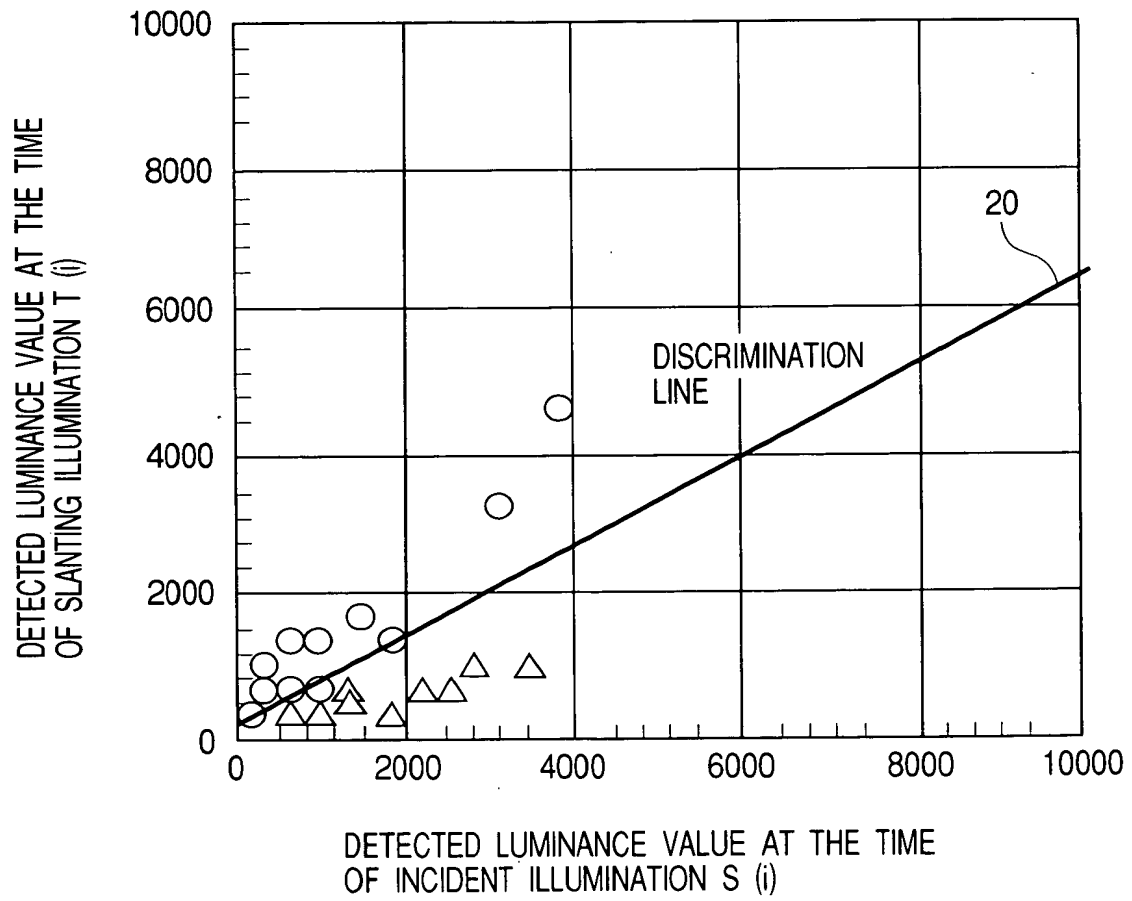


FIG. 6(a)

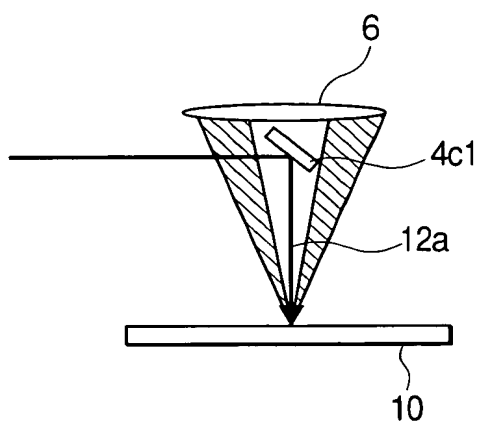


FIG. 6(b)

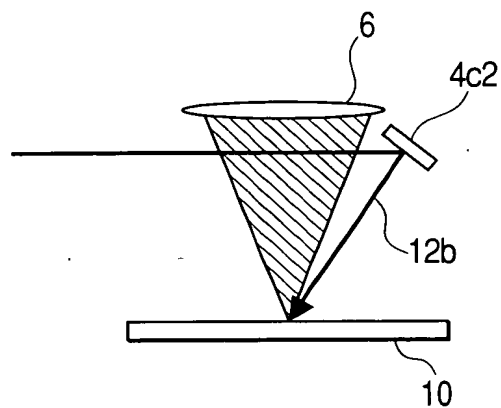


FIG. 6(c)

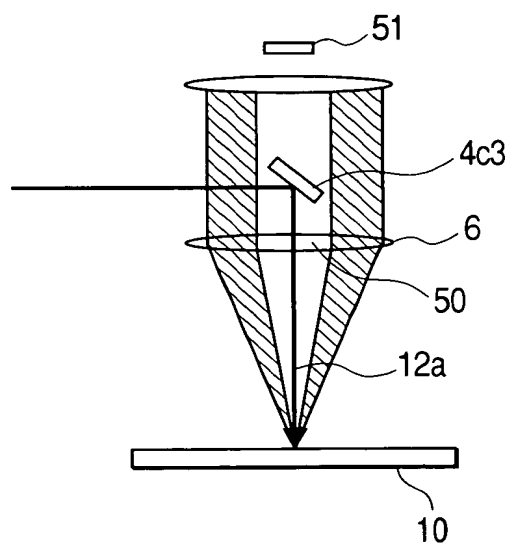


FIG. 6(d)

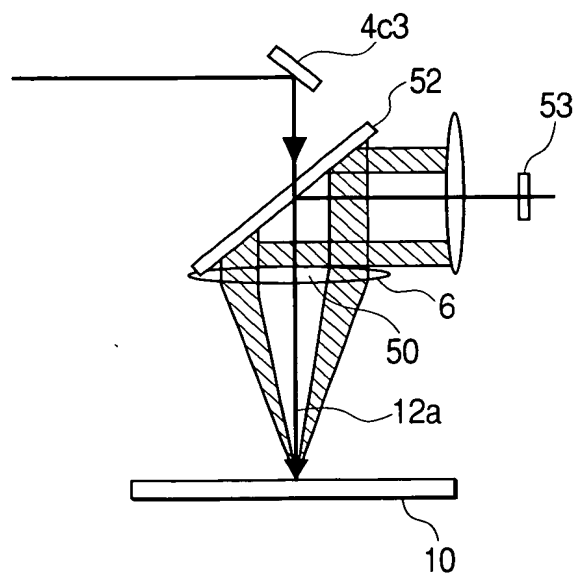


FIG. 7(a)

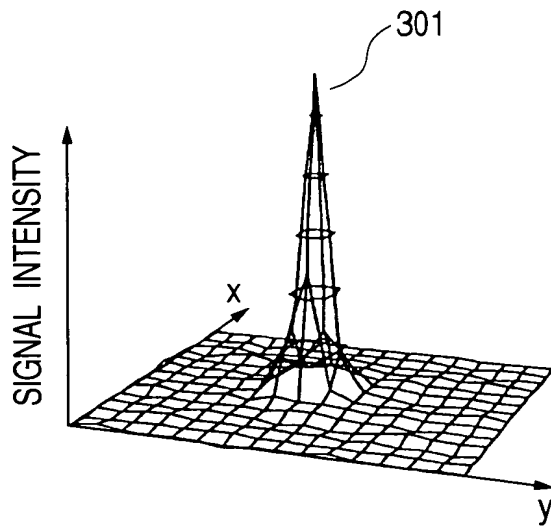


FIG. 7(b)

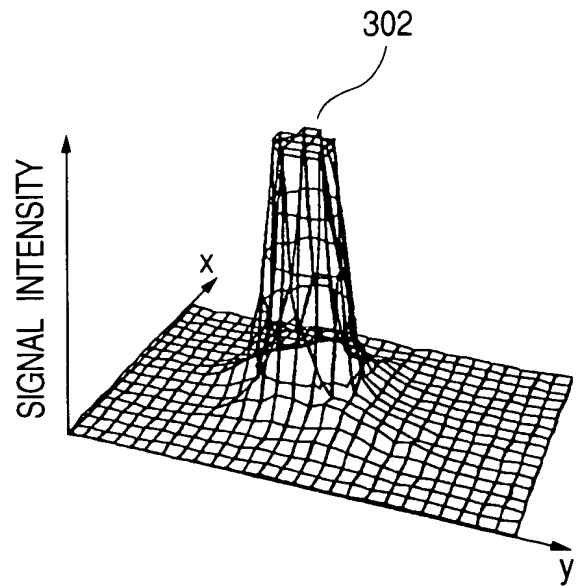
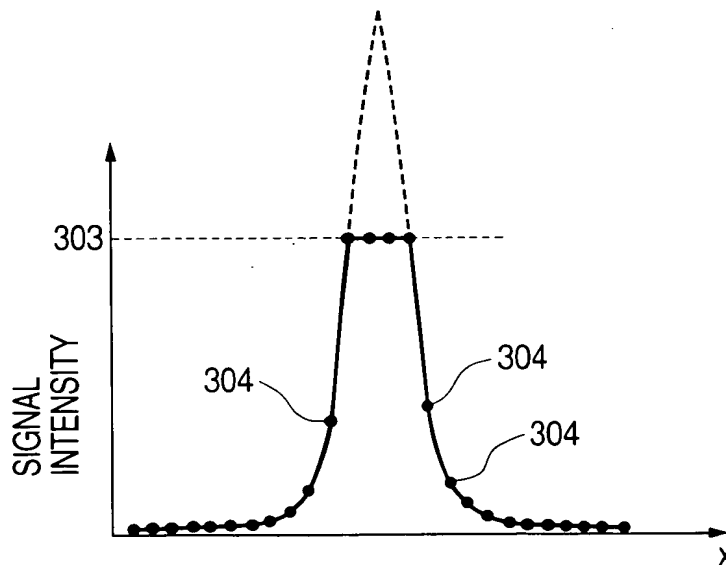
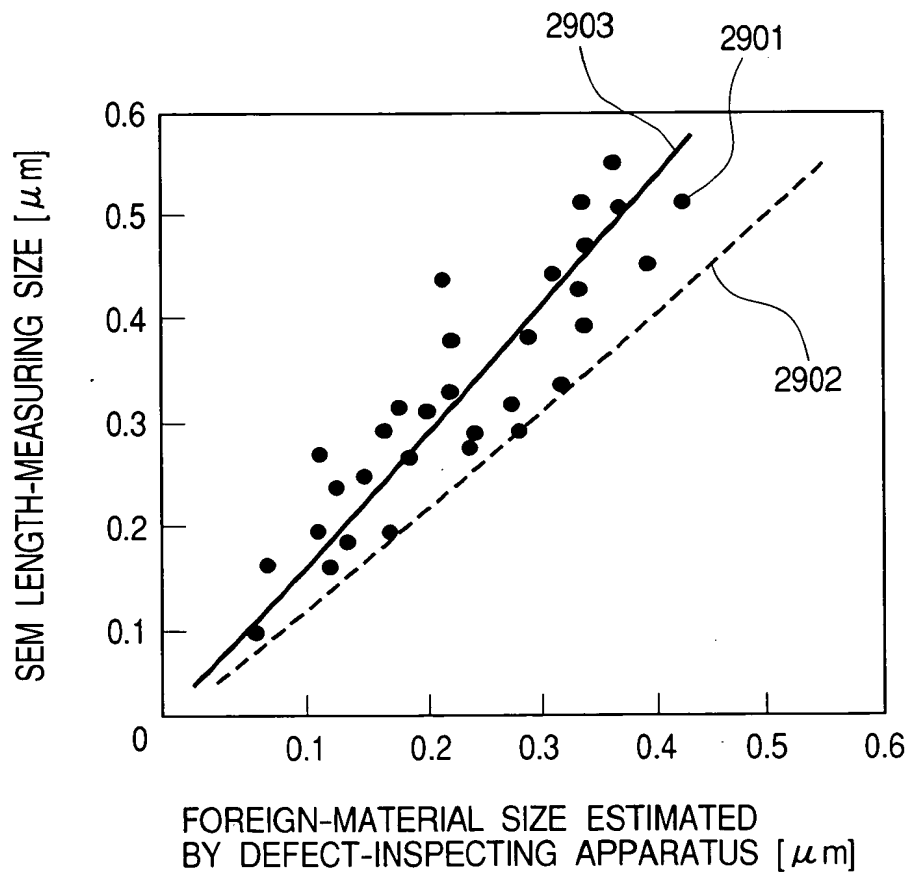


FIG. 7(c)

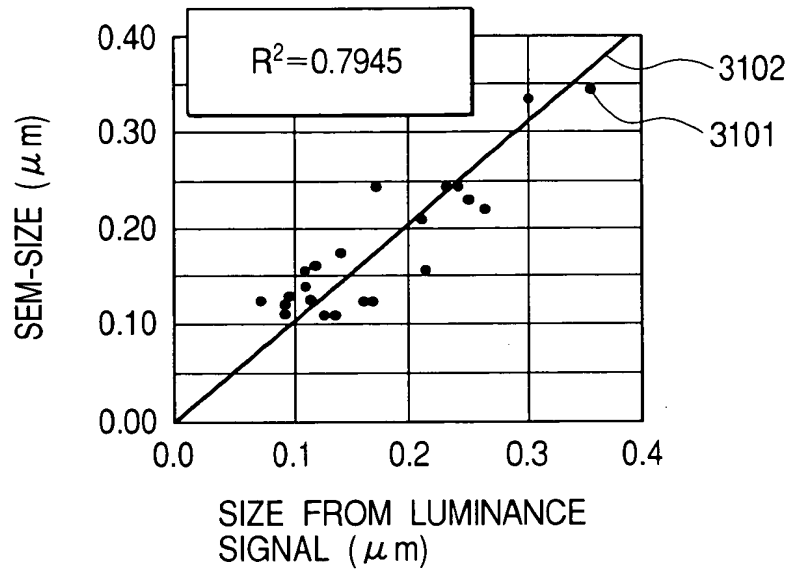


*FIG. 8*



**FIG. 9(a)**

FRONT-END PROCESS WAFER



**FIG. 9(b)**

BACK-END PROCESS WAFER

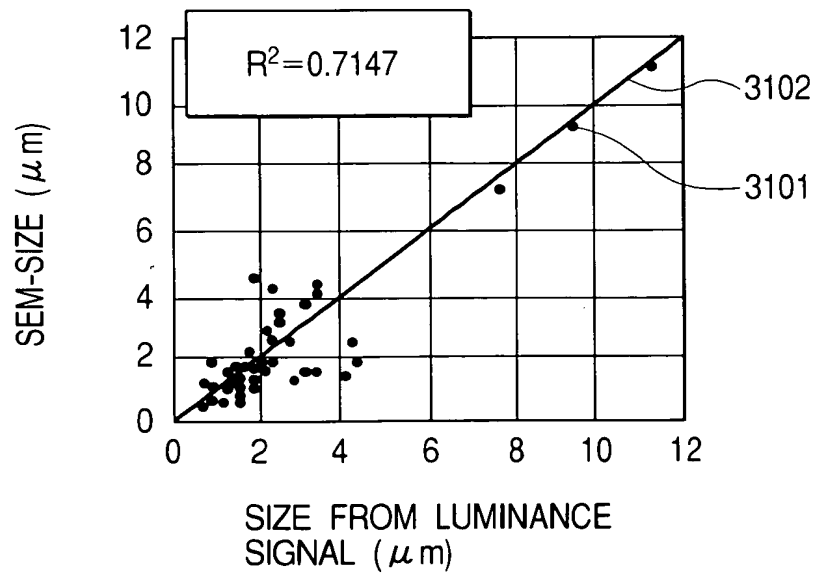


FIG. 10

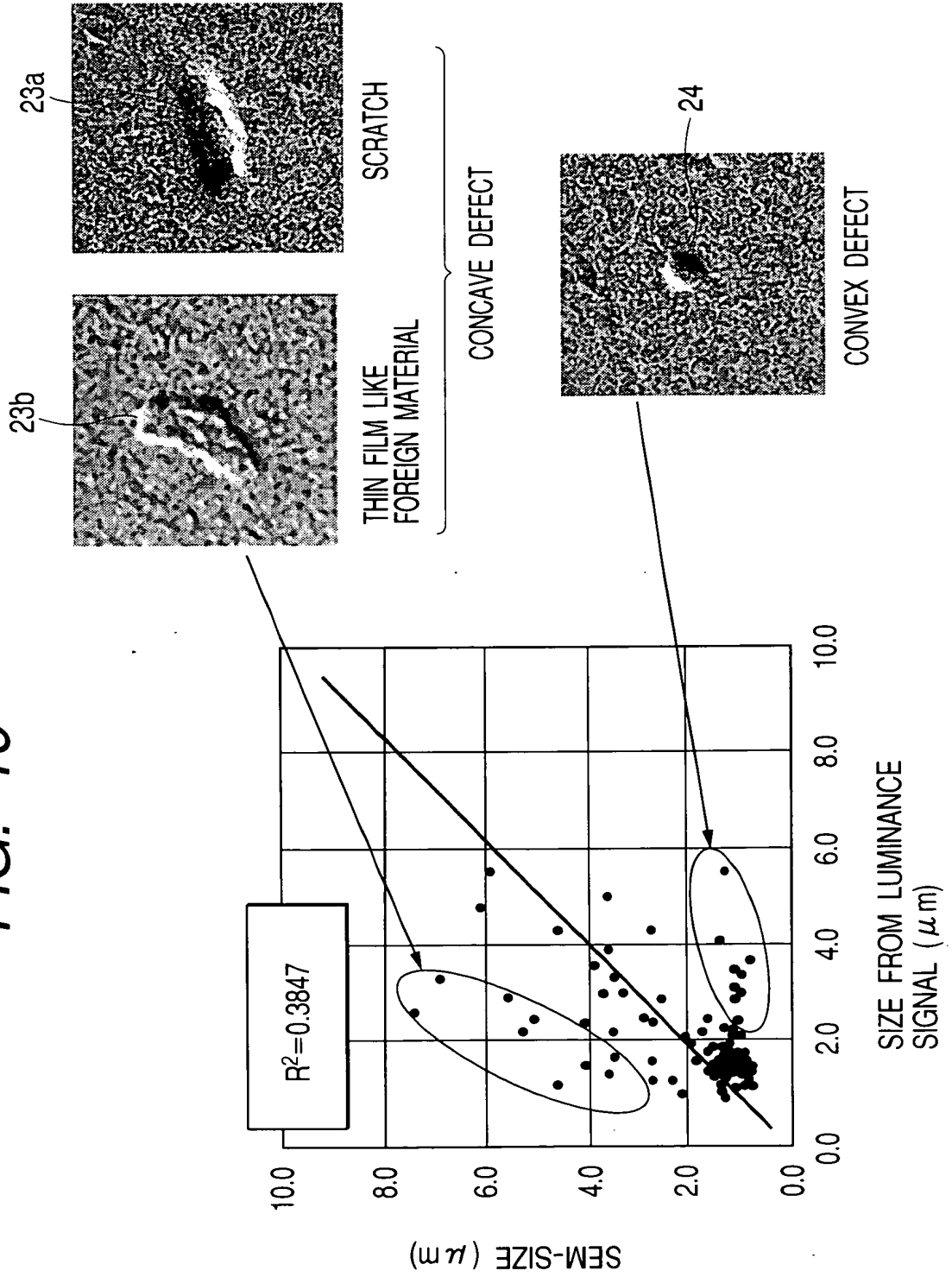
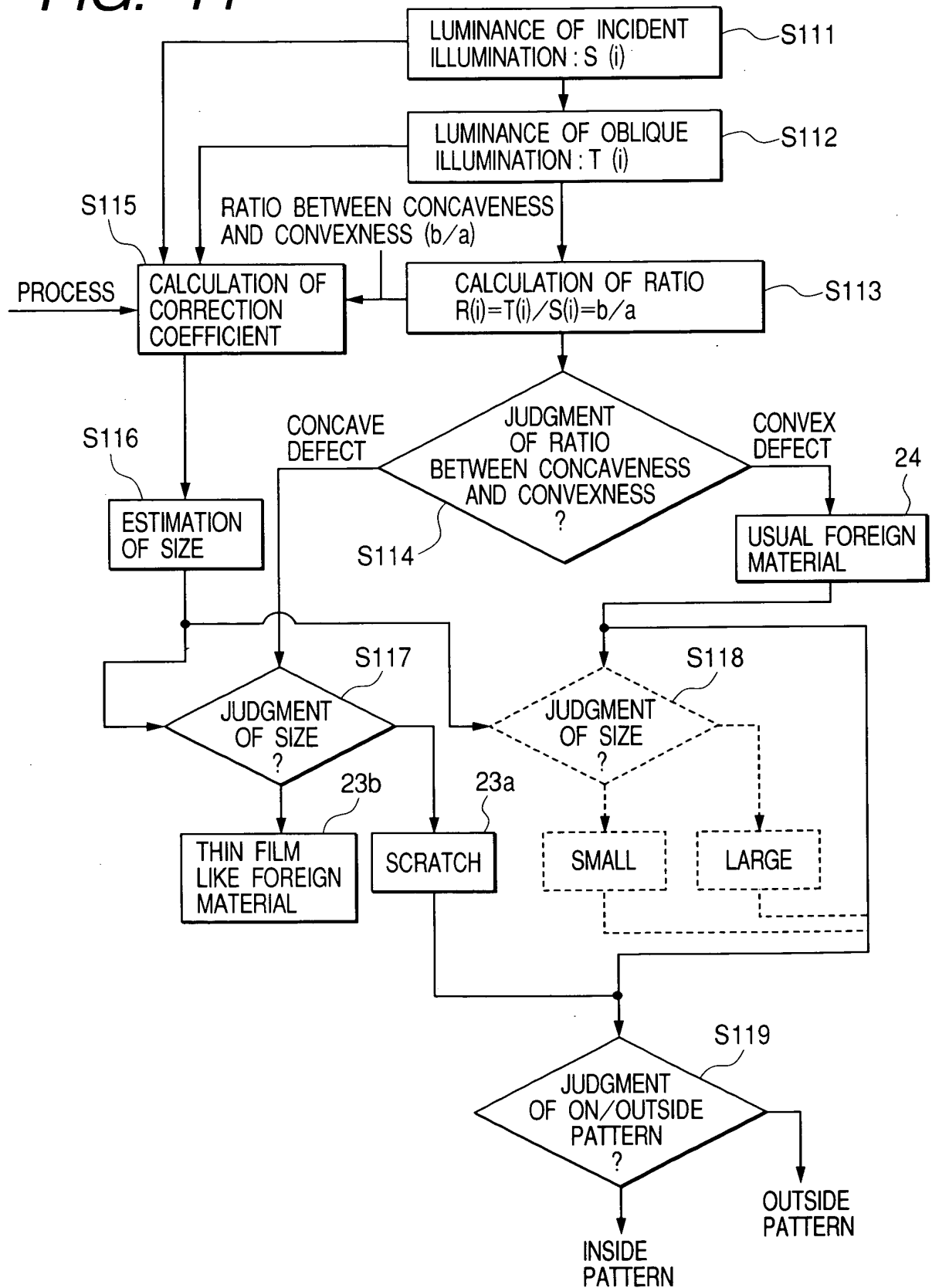
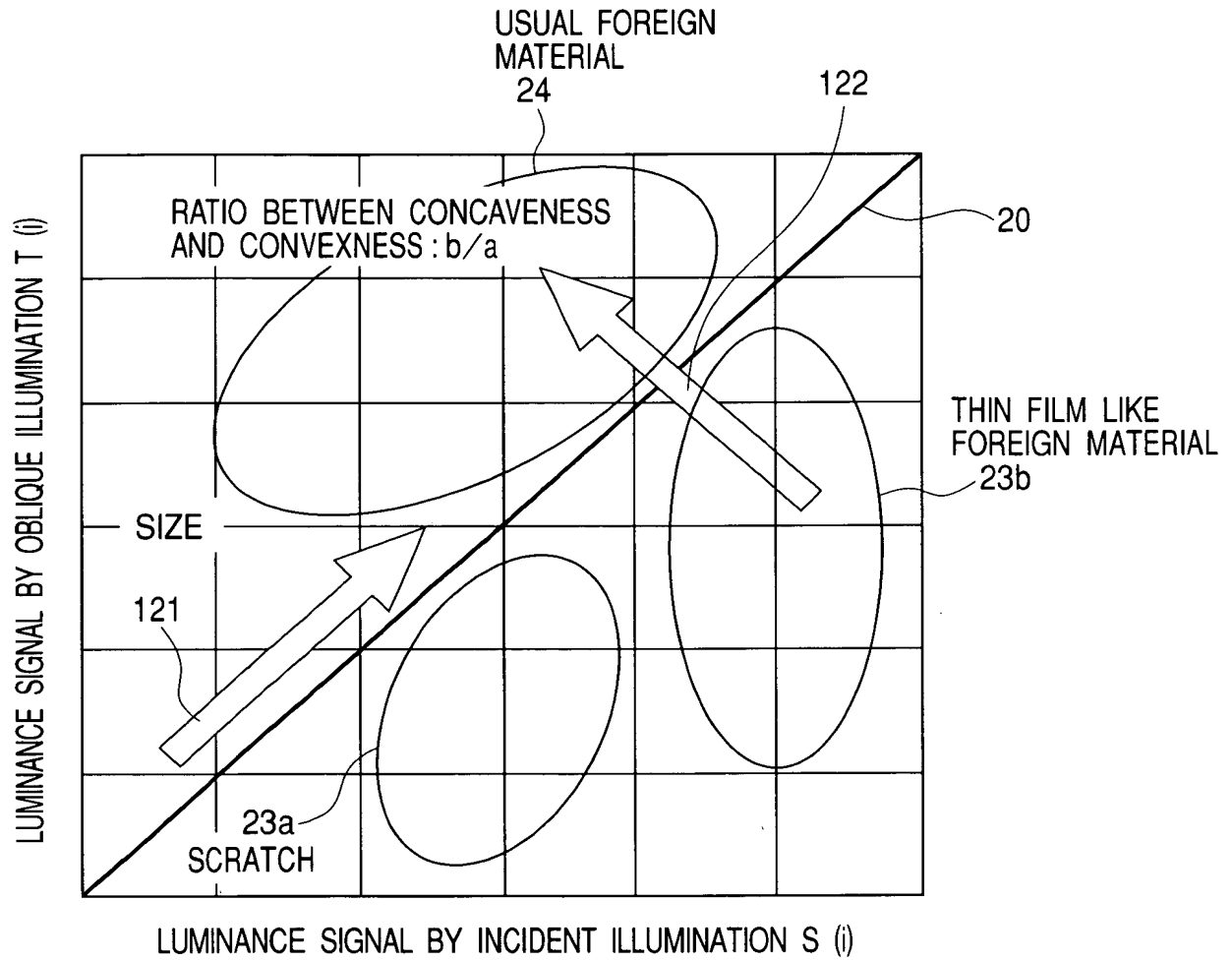


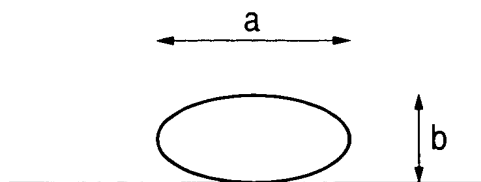
FIG. 11



**FIG. 12**



**FIG. 13**



**FIG. 14**

SIZE	SMALL		LARGE
FOREIGN MATERIAL/ SCRATCH	FOREIGN MATERIAL	SCRATCH	———
ON PATTERN	CATEGORY 1	CATEGORY 3	CATEGORY 5
OUTSIDE PATTERN	CATEGORY 2	CATEGORY 4	

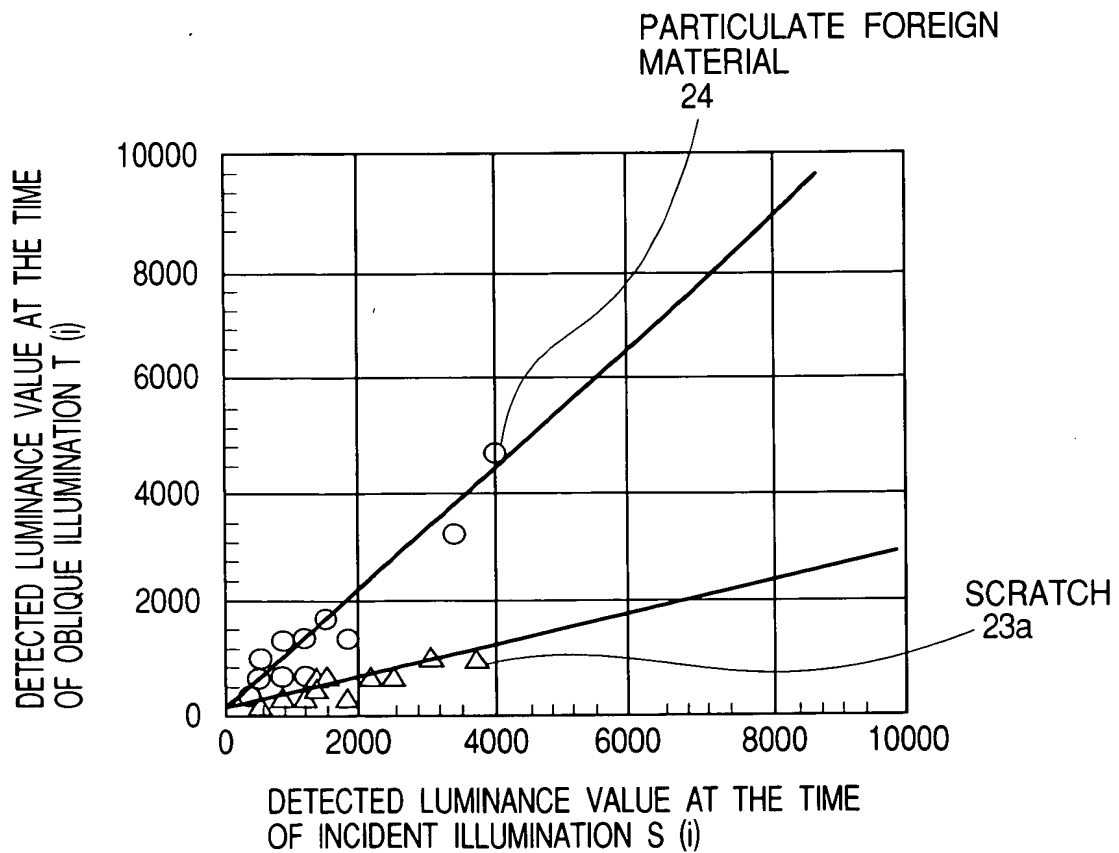
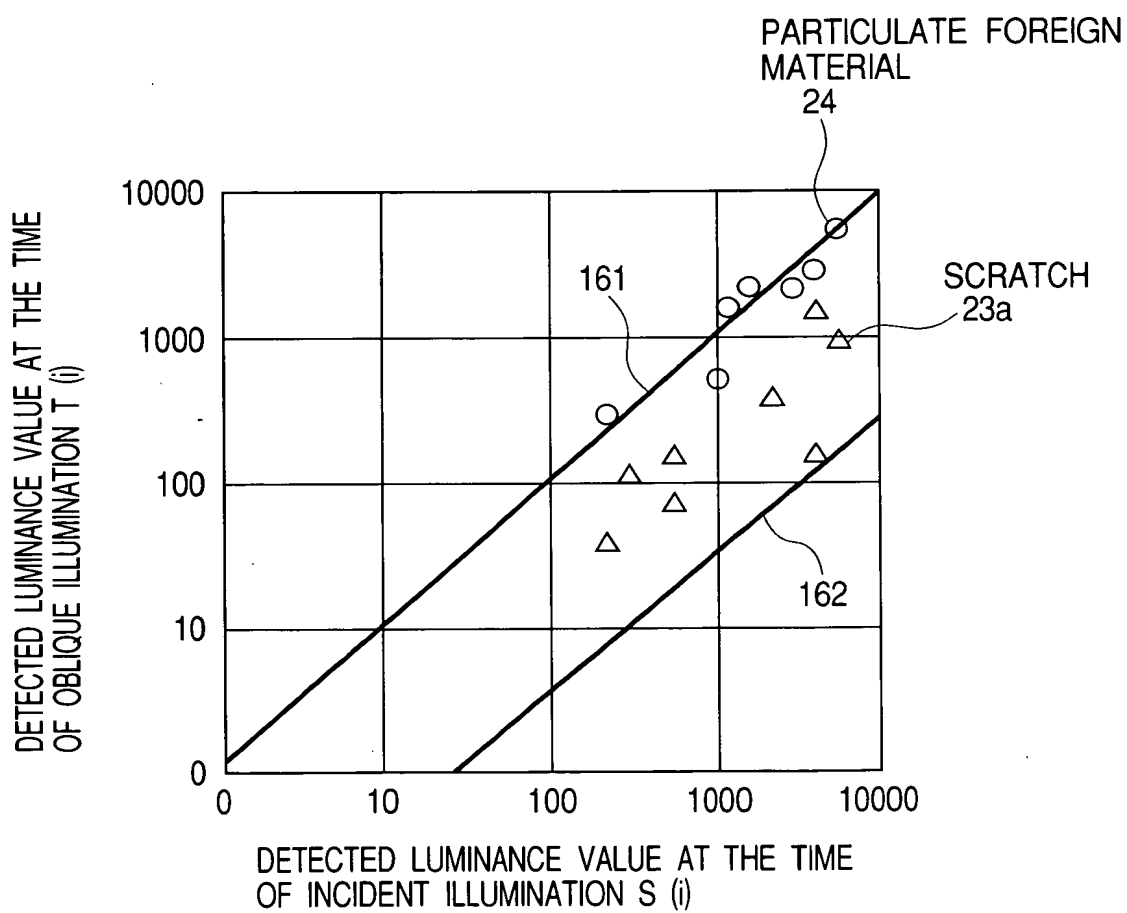
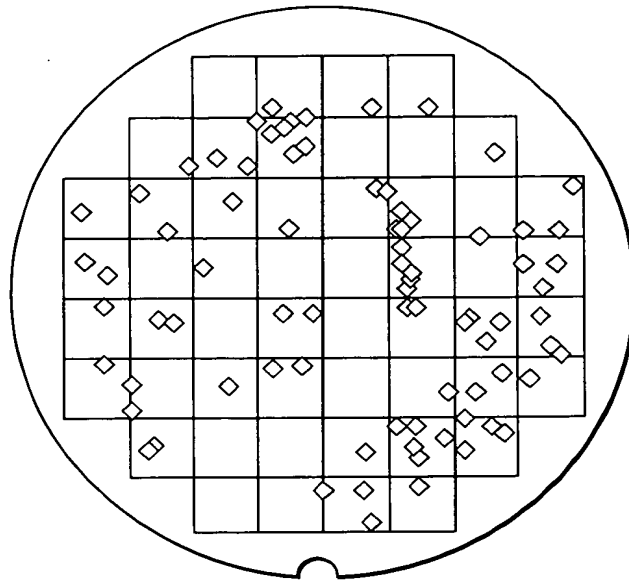
**FIG. 15**

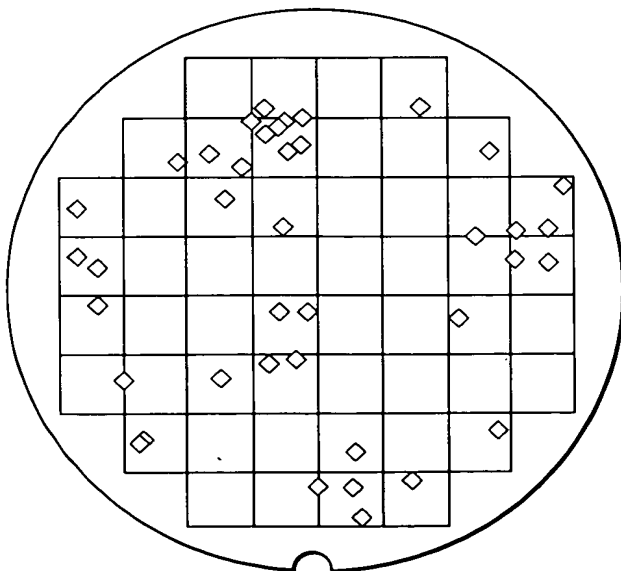
FIG. 16



*FIG. 17(a)*



*FIG. 17(b)*



*FIG. 17(c)*

